

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505314

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505314
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

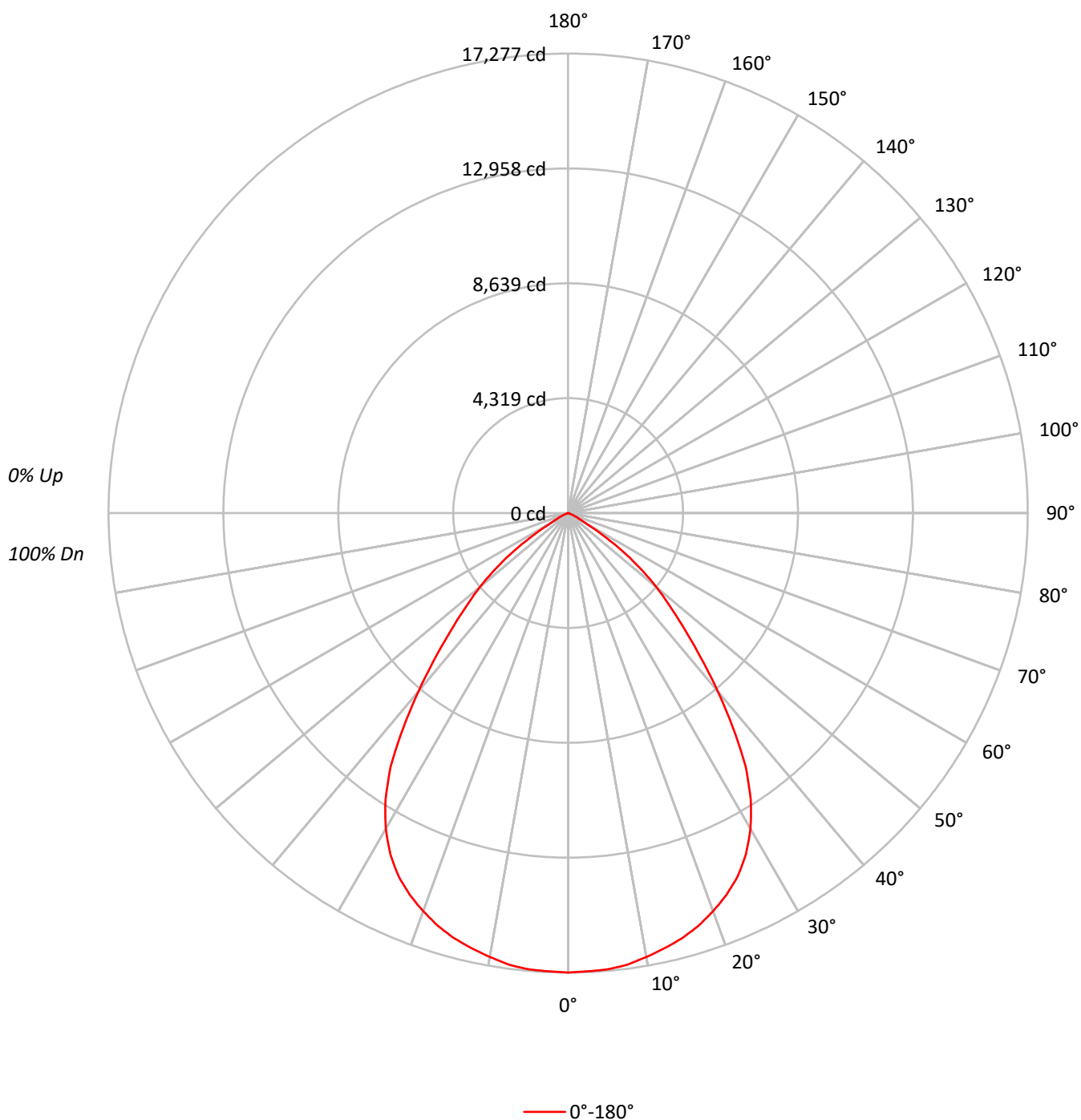
Lumens per Lamp: N/A
Luminaire Lumens: 27739.6 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123736
5°	123787
10°	123257
15°	122721
20°	121423
25°	119113
30°	113372
35°	101653
40°	81667
45°	62777
50°	48140
55°	31105
60°	10062
65°	4872
70°	1313
75°	520
80°	602
85°	690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62777 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1635.0	5.9
10°-20°	4664.6	16.8
20°-30°	6902.7	24.9
30°-40°	7133.3	25.7
40°-50°	4853.2	17.5
50°-60°	2200.9	7.9
60°-70°	313.0	1.1
70°-80°	28.0	0.1
80°-90°	8.8	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	13202.3	47.6
0°-40°	20335.6	73.3
0°-60°	27389.8	98.7
0°-90°	27739.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27739.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17277	
5°	17218	###
15°	16552	4665
25°	15073	6903
35°	11627	7133
45°	6198	4853
55°	2491	2201
65°	288	313
75°	19	28
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17277.0
2.5°	17244.6
5°	17218.4
7.5°	17122.3
10°	16948.7
12.5°	16758.5
15°	16551.5
17.5°	16274.5
20°	15931.6
22.5°	15543.7
25°	15073.3
27.5°	14471.2
30°	13709.1
32.5°	12781.8
35°	11626.7
37.5°	10184.1
40°	8735.2
42.5°	7396.1
45°	6198.1
47.5°	5186.1
50°	4320.6
52.5°	3419.4
55°	2491.1
57.5°	1531.5
60°	702.5
62.5°	456.8
65°	287.5
67.5°	150.5
70°	62.7
72.5°	31.4
75°	18.8
77.5°	17.8
80°	14.6
82.5°	11.5
85°	8.4
87.5°	5.2
90°	0.0

(END OF REPORT)